



METROPOLITAN
TRANSPORTATION
COMMISSION

Joseph P. Bort MetroCenter
101 Eighth Street
Oakland, CA 94607-4700
TEL 510.817.5700
TDD/TTY 510.817.5769
FAX 510.817.5848
E-MAIL info@mtc.ca.gov
WEB www.mtc.ca.gov

ARTERIAL OPERATIONS COMMITTEE (AOC)

10 A.M. – 12 P.M., Tue., Nov. 9, 2010

Joseph P. Bort MetroCenter

Conference Room 171

101 Eighth Street

Oakland CA 94607-4700

Chair: John Rudolph, WCCTAC
Vice-Chair: Dean Hsiao, San Leandro
Staff Liaison: Vamsi Tabjulu, MTC
Danielle Stanislaus, MTC

The Arterial Operations Committee (AOC) oversees the Bay Area's efforts to improve arterial efficiency and safety. This Committee membership is open to traffic engineers in public and private agencies in the Bay Area. For more information and to download the meeting agenda packets, please visit http://www.mtc.ca.gov/services/arterial_operations/.

AGENDA

1. **Introductions** (Rudolph)
2. **Program for Arterial System Synchronization (PASS)*** (Tabjulu, Stanislaus)
 - *PASS 2010/11 Cycle Update*
 - *Preliminary Discussion of Guidelines for PASS 2011/12 - Call for Projects*
3. **CA MUTCD Update** (All)
4. **Tech Transfer Update** (Stanislaus)
5. **Draft AOC Work Plan 2011*** (Tabjulu, Stanislaus)
6. **AOC 2011 Vice-Chair Election** (Rudolph)
 - *AOC 2010 Group Photograph*
7. **New Business** (All)
8. **Featured Presentation** – Complete Streets** (Dave Campbell, East Bay Bicycle Coalition)

* Attachment in the packet

** Handout available at the meeting

Next Meeting: Tue, Jan. 11, 2011 at 10 A.M., Room 171

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Arterial Operations Committee

Notes from meeting on Sept. 14, 2010

1. Introductions

All attendees introduced themselves. The meeting notes from July 13, 2010 were approved as written.

2. Regional Signal Timing Program (RSTP)

- Vamsi Tabjulu (MTC) stated that all eleven projects from the 2009 Cycle, including the Lawrence Expressway Traffic Responsive System, have been successfully completed. He shared the detailed results from the benefit-cost analysis from all projects consisting of over 556 traffic signals. He said that the benefits of this cycle include a travel-time savings of over 2.43 million hours, fuel savings of over 2.83 million gallons, and total emissions reduction of over 228.33 tons. He said the program costs of over \$1.3 million resulted in lifetime benefits of over \$42 million, with an overall benefit-cost ratio of 32:1. He also said that the Traffic Responsive system deployed on Lawrence Expressway resulted in an overall benefit-cost ratio of 58:1. Brian Sowers from Kimley-Horn and Associates shared his experience with successfully implementing and fine-tuning the system for this project.

3. Program for Arterial System Synchronization (PASS)

- Vamsi said that the first cycle of PASS 2010/11 has a total of 13 projects consisting of 341 traffic signals from seven counties in the Bay Area. He said that the kick-off meetings for all the projects except the Santa Clara County project were completed in July and August. He said that the consultants helped coordinate these meetings with MTC, Caltrans and local agencies, and have submitted the Draft Detailed Workscope Schedule and Budgets (DWSBs). He presented a table showing all the approved projects and services in this cycle, including the consultant assignments.
- Vamsi said that this cycle includes the weekday signal coordination for most of the projects, and that some projects include additional services like incident management flush plans, transit signal priority, school peak timing plans, and traffic responsive timing plans. He said that the South San Francisco project also involves developing the weekend timing plans as a pilot project. Danielle Stanislaus said that the guidelines for the next cycle of PASS 2011/12 will be discussed in detail at the Jan. AOC meeting.

4. Tech Transfer

- Danielle outlined the draft seminar outline for the Tech Transfer seminar on Arterial/Freeway Integration and requested members to send comments within a week. Mike Mowery from Kimley-Horn and Associates outlined the selected projects and potential speakers for this seminar.
- Vamsi provided various dates the MetroCenter Auditorium is available in Nov. and said that a tentative reservation has been made for Tue., Nov. 9th. As the next scheduled AOC meeting is on the same date, he said that the Nov. meeting could be a short meeting before the Tech Transfer seminar.

5. New Business

- Danielle said that the AOC Vice-chair for 2011 will be elected at the next meeting and requested members to nominate potential candidates. Vamsi stated that the AOC agenda packets will be posted on the MTC Artrial Ops website at http://www.mtc.ca.gov/services/arterial_operations.htm

6. Featured Presentation – Webster Street Smart Corridor Project

- Obaid Khan (City of Alameda) provided an overview of the Webster Street SMART Corridor project, and the presentation is available for download on the MTC website at: http://www.mtc.ca.gov/services/arterial_operations/downloads.htm

7. Adjournment

The meeting adjourned at 12:00 P.M.

Arterial Operations Committee
Attendees from meeting on Sept. 14, 2010

#	Name	Agency	Phone No.	E-Mail
1	Albert Yee	MTC	510.817.5770	ayee@mtc.ca.gov
2	Brian Sowers	Kimley-Horn	925.398.4862	brian.sowers@kimley-horn.com
3	Dan Hennessey	Fehr & Peers	925.930.7100	d.hennessey@fehrandpeers.com
4	Danielle Stanislaus	MTC	510.817.5737	dstanislaus@mtc.ca.gov
5	David Kobayashi	VTA	408.321.5892	david.kobayashi@vta.org
6	David Mahama	TJKM	925.463.0611	dmahama@tjkm.com
7	Dean Hsiao	San Leandro	510.577.3410	dhsiao@ci.san-leandro.ca.us
8	Donald Shupp	WP Signal	510-276-6400	shupp@wpsignal.com
9	Edward Moore	Napa	707-257-9328	emoore@cityofnapa.org
10	Garland Wong	Fairfield	707.428.7698	gwong@ci.fairfield.ca.us
11	Gordon Lum	AECOM	510-622-6648	gordon.lum@aecom.com
12	Helena Allison	Napa	707.257.9523	hallison@cityofnapa.org
13	Jeffrey A. Taylor	Napa	707-337-3838	jataylor@cityofnapa.org
14	John Rudolph	WCCTAC	510.215.3042	johnr@ci.san-pablo.ca.us
15	Joy Bhattacharya	TJKM	925.463.0611	jbhattacharya@tjkm.com
16	Kwasi Akwabi	Kimley-Horn	510-350-0239	kwasi.akwabi@kimley-horn.com
17	Mike Mowery	Kimley-Horn	925.543.0840	mike.mowery@kimley-horn.com
18	Nayan Amin	URS	408-297-9585	nayan_amin@urscorp.com
19	Obaid Khan	Alameda	510.749.5926	okhan@ci.alameda.ca.us
20	Rich Shinn	DKS	510-267-6620	richshinn@dksassociates.com
21	Ron Hernanadez	WP Signal	510-276-6400	hernandez@wpsignal.com
22	Shirley Chan	Daly City	650.991.8231	schan@dalycity.org
23	Thien Pham	SCL County	408.494.1326	thien.pham@rda.sccgov.org
24	Vamsi Tabjulu	MTC	510.817.5936	vtabjulu@mtc.ca.gov



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Memorandum

TO: Arterial Operations Committee

DATE: Nov. 2, 2010

FR: Vamsi Tabjulu

W. I. 1234

RE: **Program for Arterial System Synchronization (PASS)**

The purpose of the Program for Arterial System Synchronization (PASS) is to provide technical and financial assistance to Bay Area agencies to improve the safety and efficiency of the operations of certain traffic signal systems/corridors. The PASS provides traffic engineering assistance to local jurisdictions in retiming their traffic signals, including transit signal priority, incident management flush plans, traffic responsive timing plans, establishing communication between state and local signals, and other eligible services. MTC will administer and manage this program, but the primary responsibility for the operation and retiming of traffic signals resides with the agency that owns them. The PASS guidelines and more information is available on the AOC website at: http://www.mtc.ca.gov/services/arterial_operations/

PASS 2010/11 Cycle Update

The PASS 2010/11 Cycle has 13 projects involving over 341 signals including 70 Caltrans signals. The detailed project status is listed in the table below:

No.	Project	Consultant	Most Recent Deliverable ¹	Current Status
1.	Santa Clara County	KHA	K/O	In Progress
2.	Livermore	KHA	1B	In Progress
3.	San Leandro, Caltrans	KHA	2A	In Progress
4.	Fremont, Caltrans	KHA	2A	In Progress
5.	Redwood City, Caltrans	KHA	1B	In Progress
6.	Napa, Caltrans (Phase I & II)	TJKM	1B	In Progress
7.	SSF, Caltrans	TJKM	1B	In Progress
8.	Santa Rosa, Caltrans	TJKM	1B	In Progress
9.	Petaluma, Caltrans	TJKM	1B	In Progress
10.	Union City, Hayward, Caltrans	TJKM	1B	In Progress
11.	Fairfield, Caltrans (Phase I & II)	TJKM	1B	In Progress
12.	Alameda, Caltrans	URS	1B	In Progress
13.	Walnut Creek, Caltrans	URS	1A	In Progress

¹K/O – Kick-off meeting; 1A = Draft Detailed Workslope Schedule and Budget; 1B = Final Detailed Workslope Schedule and Budget (DWSB); 2A = Draft Existing Conditions Report; 2B = Final Existing Conditions Report; 3A = Draft Recommendations Report; 3B = Final Recommendations Report; 4A = Final Timing Sheets; 4B = Final Project Report with Benefit-cost Analysis



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TO: Arterial Operations Committee

DATE: Nov. 2, 2010

FR: Vamsi Tabjulu; Danielle Stanislaus

W. I.: 1234

RE: **Draft AOC Work Plan 2011**

The goals of MTC's Arterial Operations Program are: 1) to provide technical and financial assistance to local agencies in their efforts to improve arterial operations and safety; 2) to develop and implement initiatives that improve overall arterial operations and safety; and 3) to support the Arterial Operations Committee as a forum for discussion of shared issues and innovative, practical solutions to those issues, and to use the Committee to guide the Arterial Operations Program.

The following Draft Work Plan presents the outline for achieving these goals in 2011:

AOC Meeting	Tech Transfer	PASS - 2010/11 Cycle	PASS - 2011/12 Cycle	AOC Featured Presentations
Jan. 11, 2011	Seminar #3: Arterial/Freeway Integration Seminar	Deliverable Review and Phase II Projects Begin	Draft-Final Program Guidelines	Project/Topics identified include: 1. Adaptive Signal Timing (Rob Sprinkle, City of Santa Rosa) 2. Richmond Bicycle Master Plan (Kieron Slaughter, City of Richmond) 3. Arterial PEMS (TBD)
Mar. 8, 2011	Seminar #4: Draft Outline	Project Implementation	Call for Projects	
May 10, 2011	Seminar #4	Project Completion and Final Reports due June 2011	Project selection Apr - May 2011; Ops Committee approval of Projects and Consultants June 2011	
Jul. 12, 2011			Kick-off Meetings (July-Aug. 2011)	
Sept. 13, 2011	Seminar #5: Draft Outline		Detailed Workslope, Schedule and Budgets (DWSBs) due	
Nov. 8, 2011	Seminar #5		Deliverable Review and Project Update	

AOC members are requested to suggest topics for the next two Tech Transfer seminars and also volunteer for AOC Featured Presentations. Please contact Vamsi or Danielle if you have any ideas.